# KOREA AIR SIMULATION CENTER

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# OVERVIEW

- Exercise Update
- UFL 02 Overview
- UFL 03 Requirements
- Exercise Schedule
- SIM Management
- Future Challenges
- KASC Priorities
- Summary

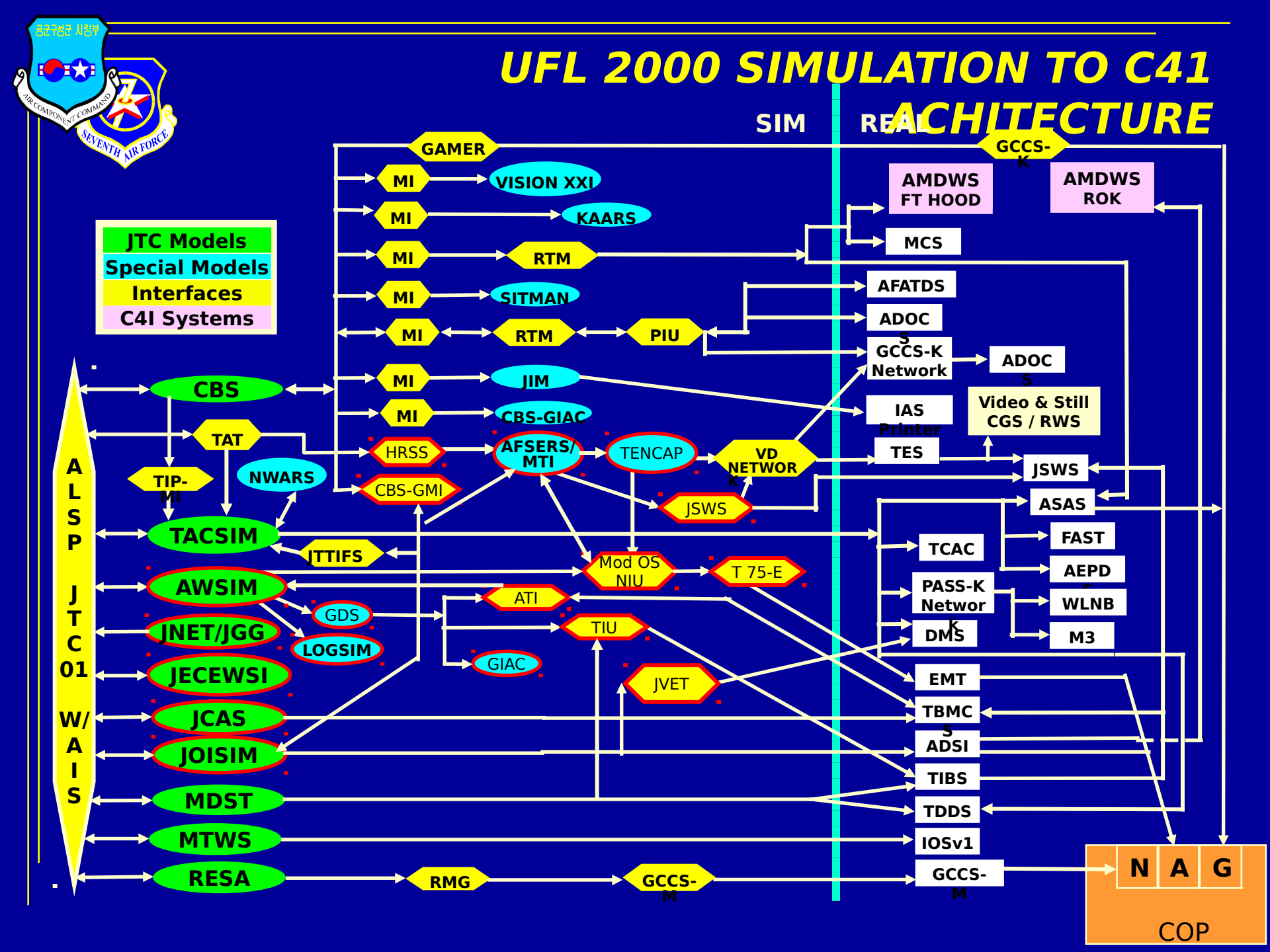
# 02' Exercises Update

- Over 400 hours Continuous Near-Perfect Ops
  - RSOI: 150+ hours
  - UFL: 250+ hours
- RSOI 02'
  - First FTX (Foal Eagle) and CPX (RSOI) together
  - CFC and PACOM extremely satisfied
- UFL 02'
  - Best Ever Part A – From All
  - Not a Single Repeat of Previous Simism
  - CINC: Transparent to Primary Training Audience

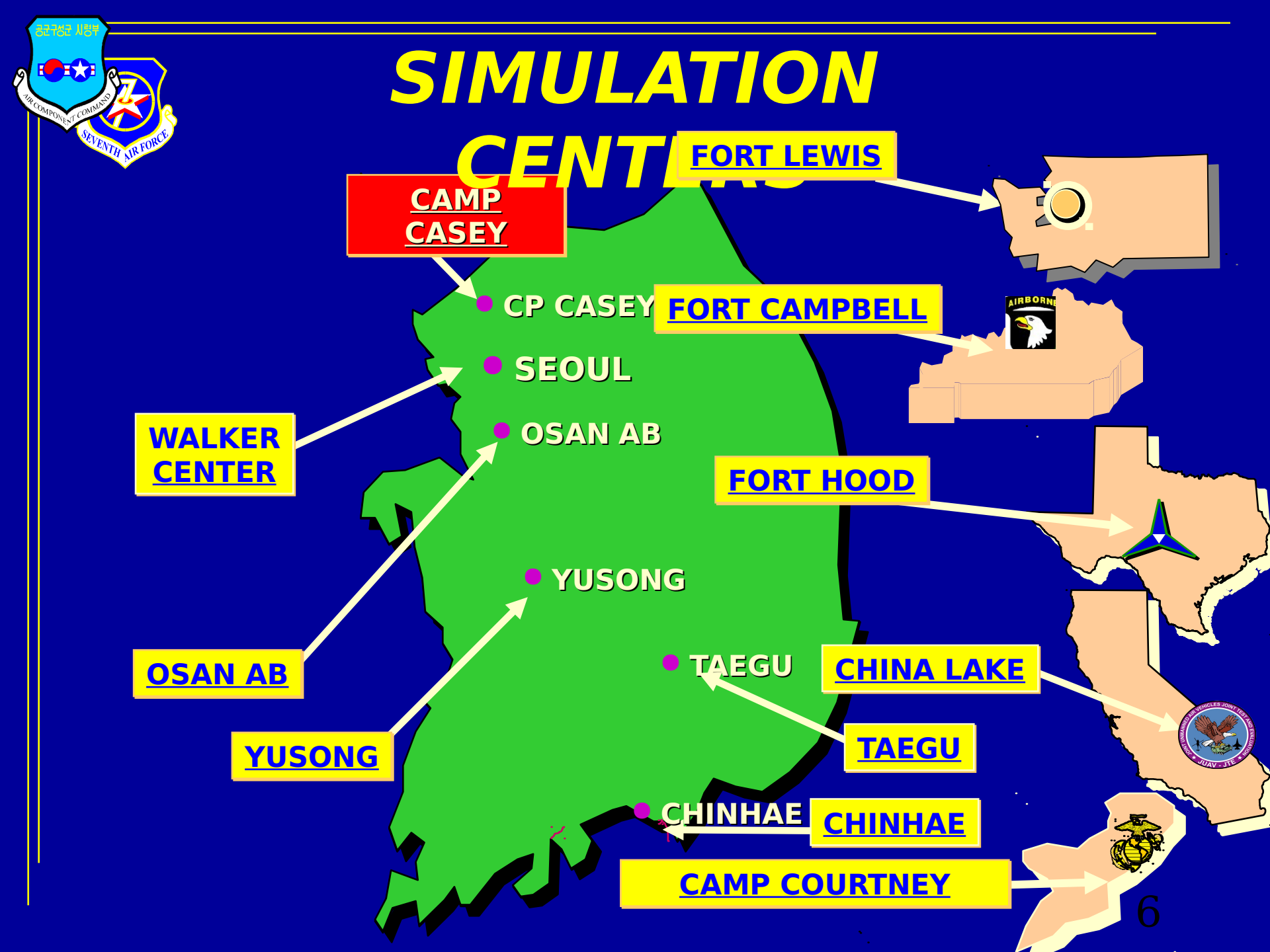
# Changes for UFL 02

- White cell organized as WOC
  - Increased training on wing processes
- Improved sortie routing (IMCN)
- Use of C-CW CONOPS for TMO
- Better fidelity of intel processes
- Addition of new/future systems
  - ROKAF RC800
  - Airborne Laser (ABL)
- 1 MAW at KASC

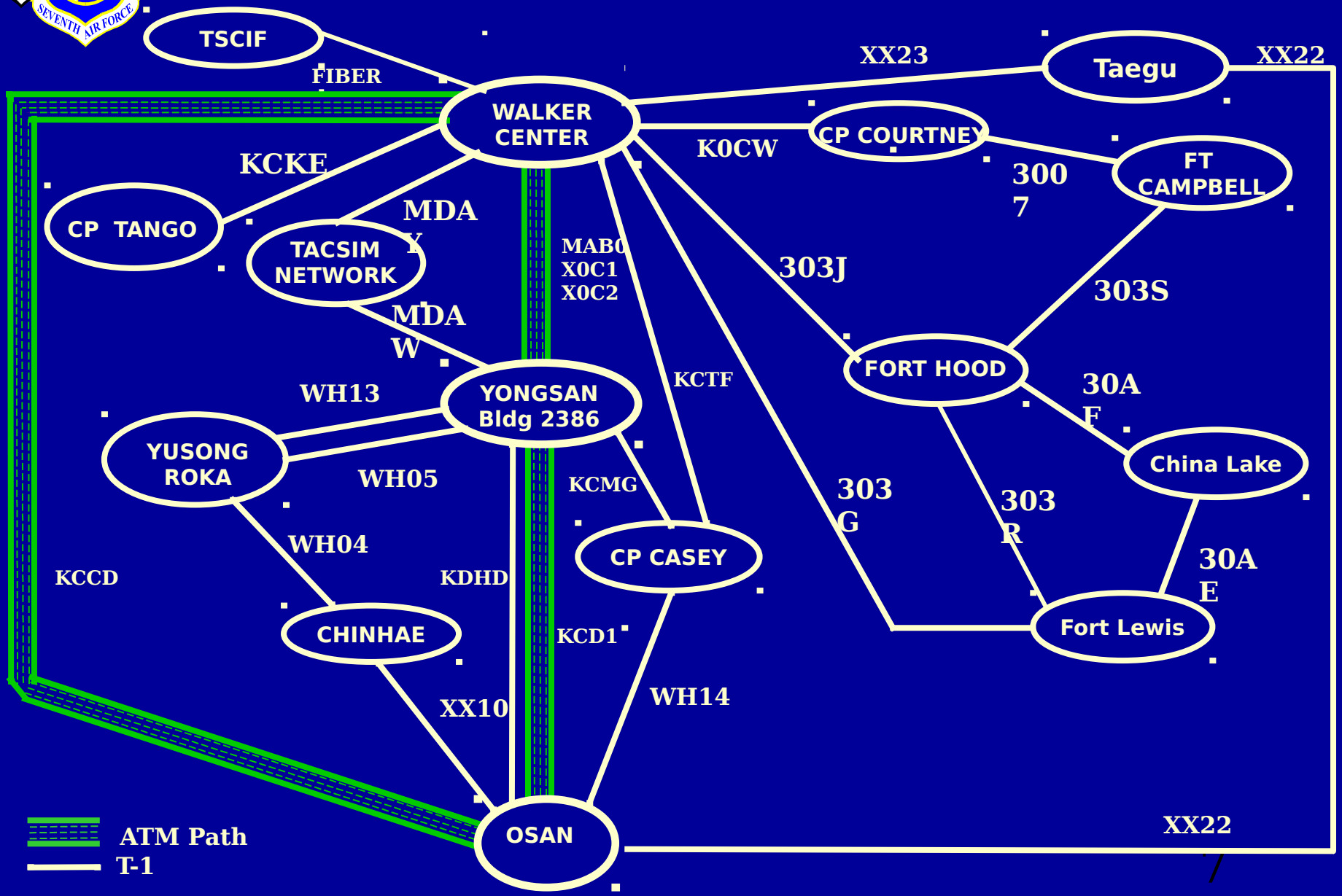
# UFL 2000 SIMULATION TO C41 ACHITECTURE



# SIMULATION CENTERS



# UFL 02 WIDE AREA NET



# AFSERS ARCHITECTURE

SHORT RANGE UAV

2ID

GCC DOCC

Camp Red Cloud

Yongsan

CP Tango

Yong-in

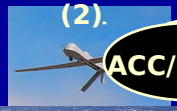
Osan AB

Teagu AB

REPUBLIC OF KOREA

PREDATOR UAV (2)

ACC/7TH AF



U-2

JSTARS

III CORPS

SHORT RANGE UAV (2)

GCC CACC

Tactical Exploitation System

National/ Commercial

P3 ORION

CTF72

## OFF-PENINSULA

CMEF

Pohang

PIONEER UAV

4 ID

FORT HOOD, TEXAS

TACTICAL UAV (4)

101 AA

FORT CAMPBELL KENTUCKY

TACTICAL UAV (4)

TACTICAL

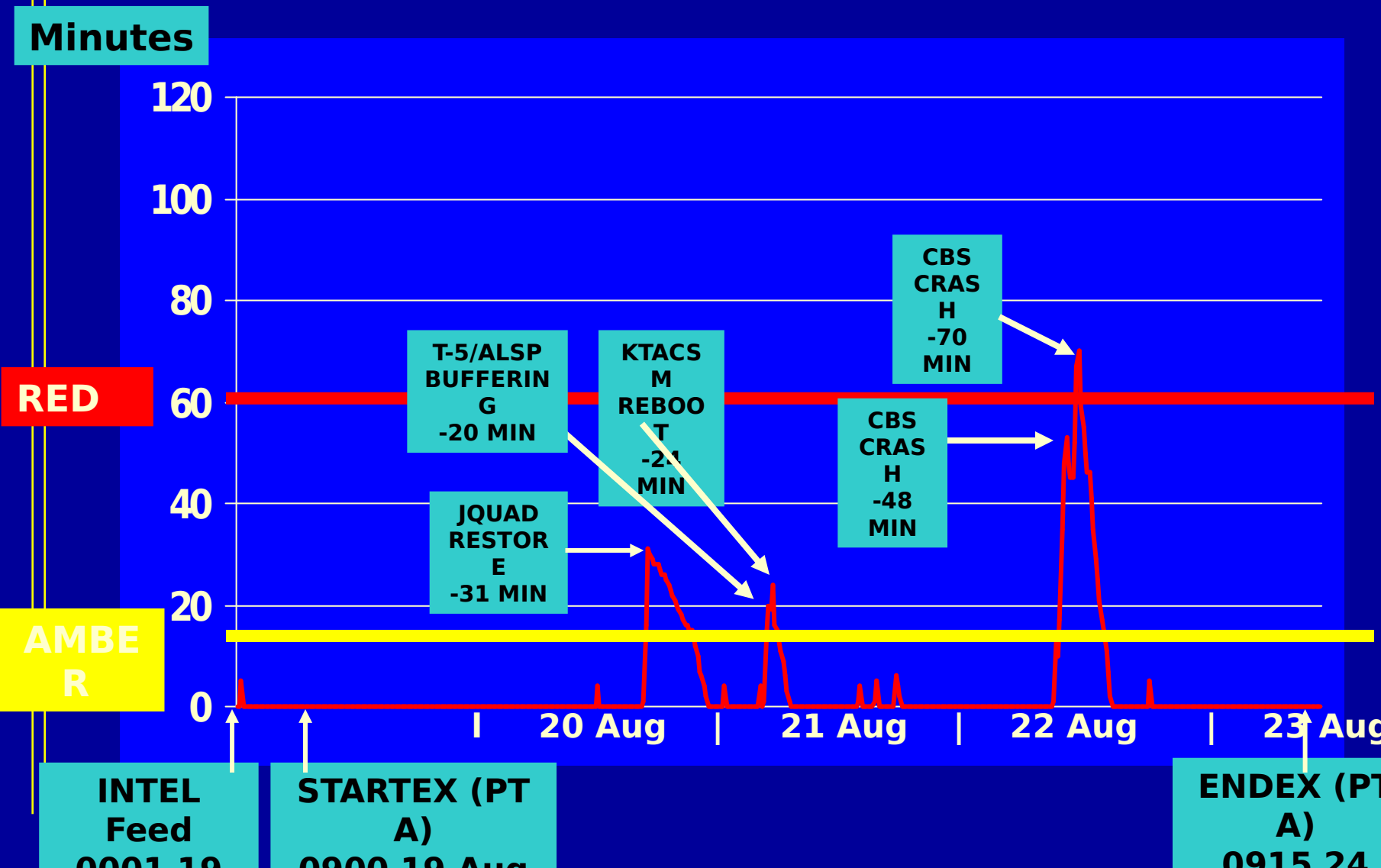
# *UFL 02 NETWORK AVAILABILITY*

**NETWORK PERFORMANCE**

**WAN: 100%**

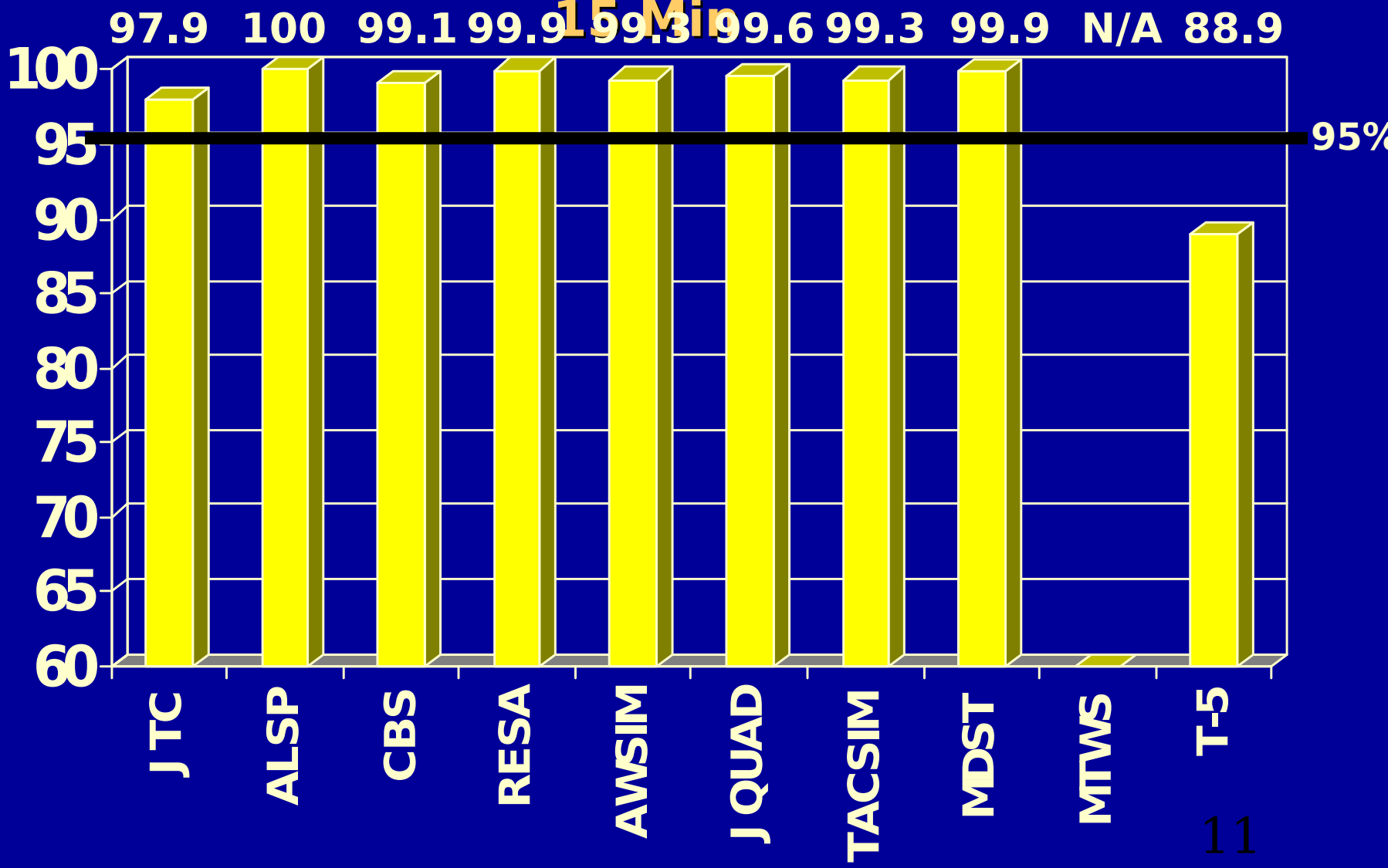
**LAN: 100%**

# PART A JTC Time Behind ZULU

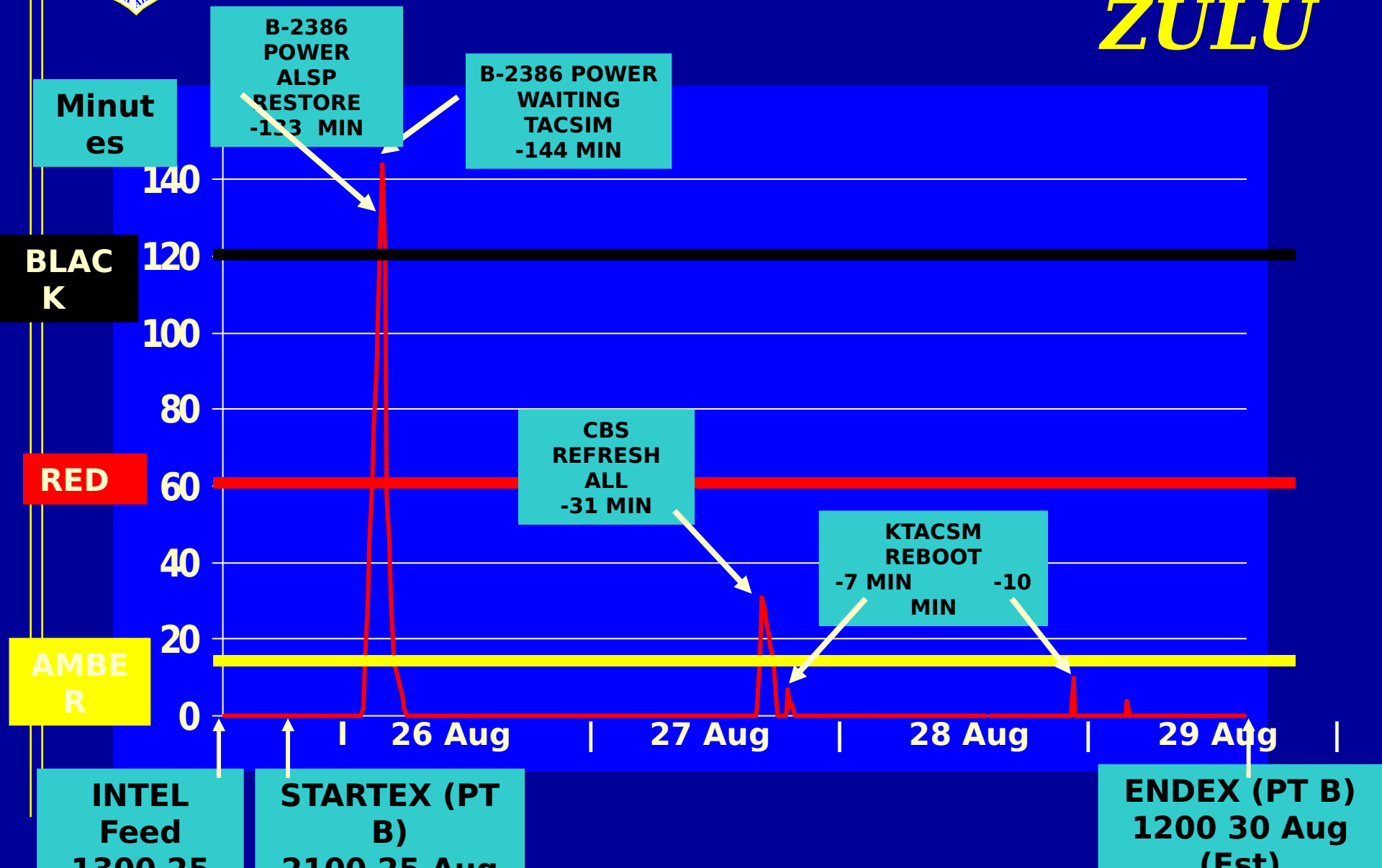


# UFL 02 PART A MODEL Availability

**Exercise Total = 129 Hours 15 Min**

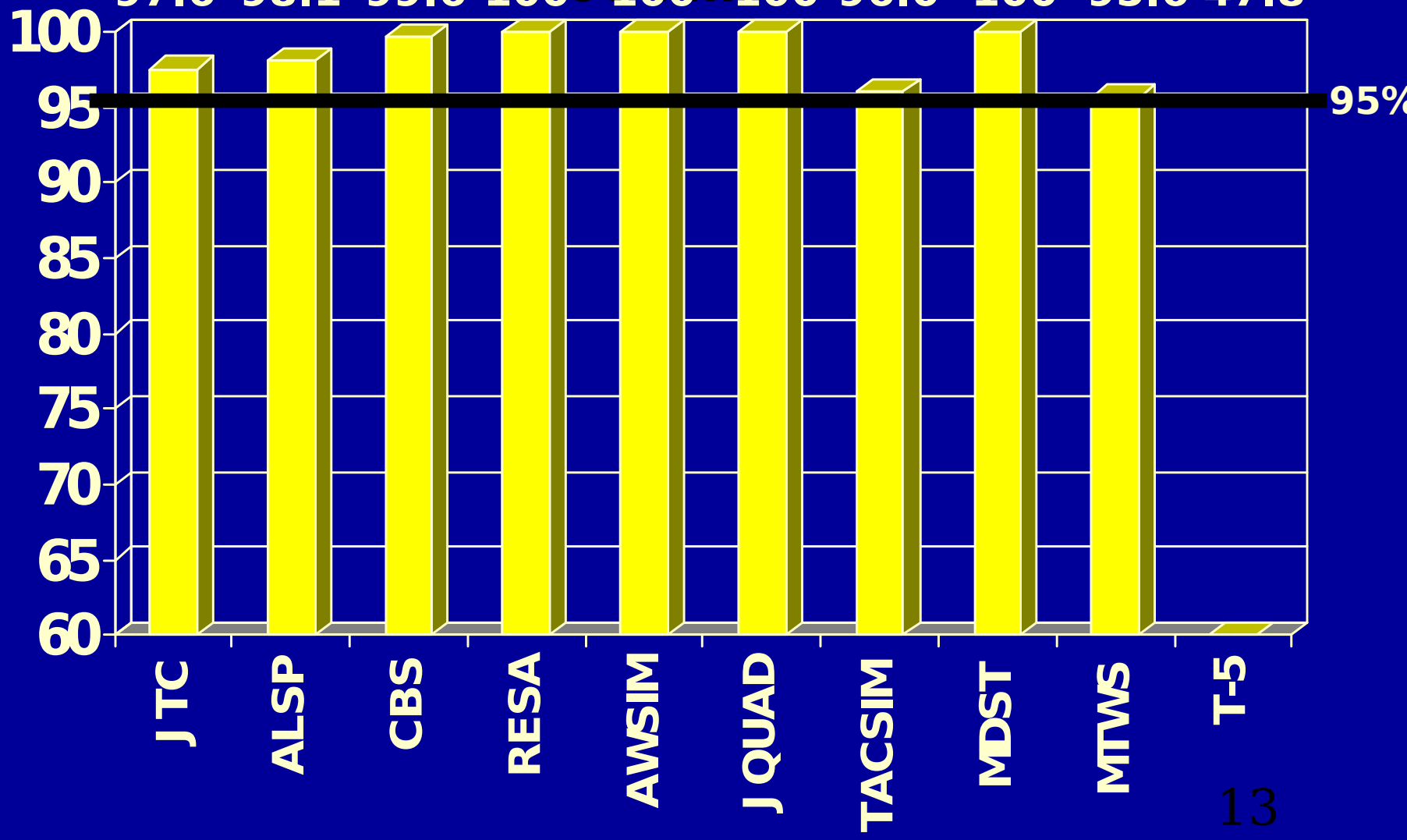


# PART B JTC Time Behind ZULU



# UFL 02 PART B MODEL Availability

**Exercise Total = 119 Hours 00 Min**



# UFL: NEEDS IMPROVEMENT

- Aerodrome Effects
- Support of C-CW CONOPS
- Support of TST Ops
- Weapons Database
- Improved Munitions Handling (IMCN)
- TPS 75E / EMT
- Accountability of Intel Reports
- Multi-level Security

# UFL 03 Requirements

- What version of AWSIM will be used
  - Version 2.4.6 stable and good enough
  - Newer version needs KTO exercise time (YS/RSOI)
- AWSIM/JQUAD CONUS Mid-shift support
  - LT and week prior to UFL
  - 24-hour developer support
- ESC/AFAMS review of LT Plan
- CBS-GMI version vs CBS 1.7
- **CONFEDERATION ON TIME!!!!!!**

# EXERCISE SCHEDULE

- Major Up-coming Exercises/Event
  - Terminal Fury (PACAF) – Dec 02
  - YS 43 (USARJ) – Jan 03
  - CT 03 – Feb 03 (May 03)
  - RSOI 03 – Mar 03
  - LT 03 – Jun 03
  - UFL 03 – Aug 03

# SIM Management

- AWSIM
  - Exercise support staff
  - AWSIM Toolkit
  - Multiple Baseline software conflicts
- Increase Standardization
  - Configuration management
    - TPS 75E/EMT
    - CBS-GMI builds
  - Database management

# FUTURE CHALLENGES

- JTC Divergence
- ROKAF future use of AWSIM
- "Improve Airlift Fidelity"
- JSIMS Beddown @ KASC
  - Recommend extended dual configuration period
    - What's the footprint?
  - JSIMS hardware requirements very large
    - Could cost over $250K in facility upgrades. Who pays?
    - Need to preserve support for thin clients
  - Need coalition access plan
  - Databases
  - What is the JTC life cycle mgt for JSIMS?

# FUTURE CHALLENGES

- Aerodrome affects
  - DMPI level targeting
  - Sortie impacts
  - Airspace affects
- Kill Box CONOPS
- Support for “Non-Interactive” Exercises
- Variable Missile Range
- Intel focus from exploitation to fusion
- TPS-75 EMT into the COP
- SOF Ground teams in JGG
- Satellites and Sat Jamming

# KASC SIM PRIORITIES

- Exercise Support
  - AWSIM, IMCN & AATK
- Support Smaller AOC Exercises
- Airfield DMPI level targets
- IMCN access to LOGSIM munitions
- TPS-75 EMT in JQUAD or AWSIM
- SOF Ground teams in JGG
- Satellites and Sat Jamming

# SUMMARY

- AFMSTT Excellent Throughout 02’
- Fixed known Issues – Dividends paid
- Stable JTC key to best exercise ever
- Warriors want Better
- Now let’s tackle the challenges!

# QUESTIONS

BACKUP

# RSOI '02 AAR

- Cancel Command – Ground Alert did not work immediately after first confederation save
  - #4 Urgent from UWG 15 (Oct 01)
  - Guaranteed downtime for UFL 02
- Null entity filter
  - Some CPU loading and irregular cycles; ALSP filter sufficient for UFL 02? #1 Urgent from UWG 15
- Difficult to fairly assess IMCN capabilities during RSOI
- Desperate need for AWSIM-C2IPS Interface

# UFL 02 Challenges

- 7 AF reorg/checkride for AOC
- Air sim budget shortfall - $1.1M
  - At risk: ISR imagery, JSTARS MTI, EMT, ADSI tech support, B/U hardware for intel reports
- Skilled augmentation availability
  - Conflict with MC 02
  - HIANG AWSIM gamers
- Unskilled augmentation availability
- Meeting A2 BDA requirements
- Training conventions agreement
  - OPFOR rules/databases
  - AN-2 Colt play